Box PC Series-1B1
Intel® CoreTM i3, i5, i7 - 7 - 10 generation

- Intel® CoreTM i3, i5, i7 - 7 - 10 generation
- 4 to 64 GB RAM
- 6x COM, 6x USB, Wifi, Bluetooth
- Die-cast aluminum housing
- Fanless and compact
- Operating temperature -10 °C up to +60 °C

https://www.wachendorff-prozesstechnik.de/en/BPC002-B1

Description

WACHENDORFF Series-1 Box PC
These robust X86 Box PCs, equipped with Intel Core processors, have been specially developed for demanding automation applications such as edge computing. They offer a choice of 4 to 64 GB RAM and various interfaces, including 6x COM, 6x USB, WLAN and Bluetooth. The industrial design made of aluminum with optimal heat dissipation ensures reliable operation, even under high load.
In combination with our box PCs, displays offer an interface to the machine that is detached from the actual computing unit. This enables central placement of the box PC and user-friendly positioning of the displays directly by the operator.

Product details

Power supply:	Hollow plug 5,5 x 2,5 mm: 12 VDC up to 36 VDC Screw terminal: 12 VDC up to 36 VDC
Power consumption:	15W
Processor:	Intel® Core™ i3, i5, i7 - 7th - 10th Generation I5-7200U I7-7500U I3-8145U I5-8265U I7-8565U I3-10110U I5-10210U I7-10510U
RAM:	I3-8145U 4 bis 64 GB I3-10110U 4 bis 64 GB I5-7200U 4 bis 32 GB I5-8265U 4 bis 64 GB I5-10210U 4 bis 64 GB I7-7500U 4 bis 32 GB I7-8565U 4 bis 64 GB I7-10510U 4 bis 64 GB
SSD/HDD:	Max. 1 TB Standard: mSATA Optional: M.2 NVMe

Interfaces:	USB: 4 x USB 2.0 Typ A, 2 x USB 3.0 Typ A Seriell: 6x RS-232/485 DB-9 Ethernet: 2x RJ-45 Gigabit Ethernet (galvanically isolated) WLAN: 1x IEEE 802.11a/b/g/n 1x Bluetooth Display: 1x HDMI, 1x VGA Audio: 1x Audio In/Out, 3,5 mm jack
Expansion slots:	no
Housing:	Die-cast aluminium housing
Mounting:	Wall mounting Desktop
Protection class:	IP30, at the side IP2X
Dimensions (WxHxD):	200 mm x 188,6 mm x 51,3 mm
Weight:	approx. 1.9 kg
Certifications:	CE, RoHS, FCC, REACH
Ambient conditions:	Operation: -10 °C to + 60 °C, 95 %.rH non-condensing Storage: -20 °C to +70 °C, 95 %.rH non-condensing
Operating systems:	Windows® 10 IoT LTSC Windows® 11 IoT LTSC Linux
Scope of delivery:	1 x device 1 x installation guide
Customs tariff number:	847 15 000
Manufacturer:	Wachendorff Prozesstechnik GmbH & Co. KG

Products Order no.

BPC002-B1	Box-PC Series-1B Intel® Core®
PPC-PWRADAP_02_24VDC4A	External power supply unit for Intel Core 8./10. Gen. Panel-PC, 230VAC to 24VDC, hollow connector and C14 Stecker
PPC-PWRCRD_01	Mains cable / connection cable E+F CEE 7/7 to C13 1.5 m

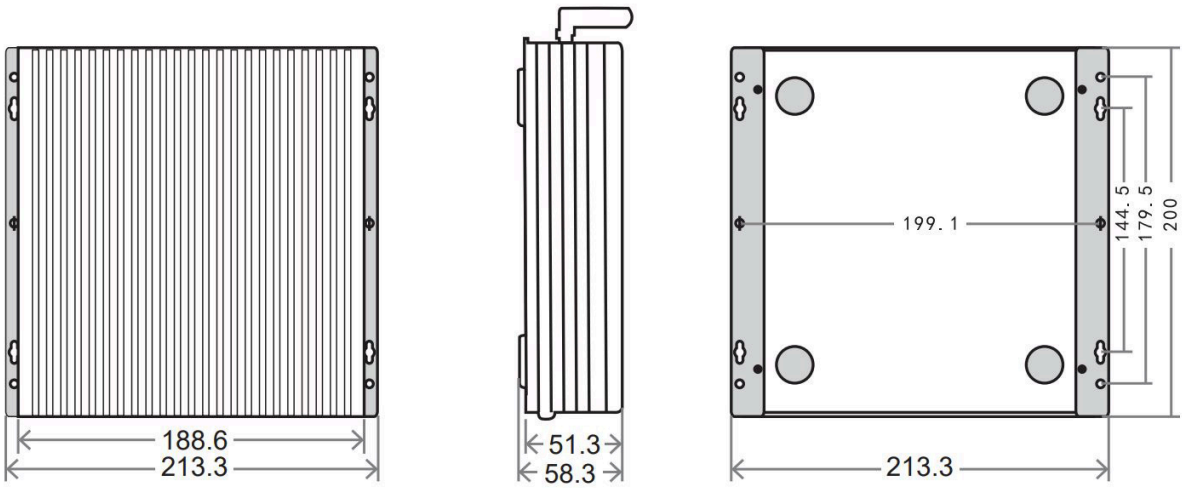
Accessories Order no.

ETHSWG8C1	8-port Ethernet switch, Gigabit, unmanaged
KABETH10	Patch cable, RJ45 UTP CCA, CAT5e white, 0.3 m

KABETH11	Patch cable, RJ45 UTP CCA, CAT5e white, 1 m
KABETH12	Patch cable, RJ45 UTP CCA, CAT5e white, 2 m
IPC_DIO_2P	2-pin connector plug, digital input
PPC-Stand_01	Industrial monitor/display stand, VESA 100x100, black
PPC-Stand_02	Industrial monitor/display stand, VESA 100x100, silver
WLANANT20	Magnetic base antenna with SMA-R connector 2.4 GHz@2 dBi with 1.8 m cable
WLANANT22	Antenna with screw mounting and SMA-R connector 2.4 GHz@2 dBi, 2 m cable
WLANANT55	Magnetic base antenna with RP-SMA connector 2.4 GHz@5 dBi with 1.8 m cable

Drawings

Dimensions (mm)



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